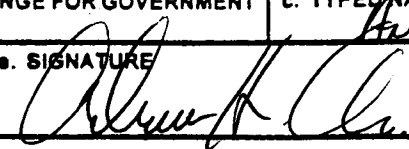


<b>NOTICE OF REVISION (NOR)</b>		1. DATE (YYMMDD) 000608		Form Approved OMB No. 0704-0188	
THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED					
Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-43-2, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.				2. PROCURING ACTIVITY NO. <b>L053022</b>	
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.				3. DODAAC	
4. ORIGINATOR		b. ADDRESS (Street, City, State, Zip Code) <b>AMSTA-AR-ESW-S, Rock Island, IL 61299</b>		5. CAGE CODE 19200	
a. TYPED NAME (First, Middle Initial, Last) <b>John D. Kreider</b>				7. CAGE CODE 19200	
6. NOR NO. <b>003</b>			8. DOCUMENT NO. <b>SQ12993777</b>		
9. TITLE OF DOCUMENT <b>Frame Assembly, QAP</b>			10. REVISION LETTER		11. ECP NO.
			a. CURRENT -      b. NEW -		
12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES <b>MK19 GMG</b>			<b>NOR SHT 1 OF 7</b>		<b>ECP SHT 6 OF 58</b>
13. DESCRIPTION OF REVISION  <p style="text-align: center;"><del>Release the new attached Frame Assembly QAP.</del></p> <p style="text-align: center;">SEE NOR CONTINUATION SHEETS 2 THRU 7 OF 7 DATED 00-07-07 FOR PROPOSED NEW QAP</p>					
14. THIS SECTION FOR GOVERNMENT USE ONLY					
a. (X one)		<input checked="" type="checkbox"/> (1.) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2.) Revised document must be received before manufacture may incorporate this change. <input type="checkbox"/> (3.) Custodian of master document shall make above revision and furnish revised document.			
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT <b>OPM Small Arms</b>			c. TYPED NAME (First, Middle Initial, Last) <b>Andrew H. Cline</b>		
d. TITLE <b>Dep. PM Small Arms</b> <b>Prod. Director</b>		e. SIGNATURE 		f. DATE SIGNED <b>18 Sep 00</b>	
15a. ACTIVITY ACCOMPLISHING REVISION		b. REVISION COMPLETED (Signature)		c. DATE SIGNED	

# QUALITY ASSURANCE PROVISIONS (QAP)

**1. COMMAND AGENCY:**

U.S. ARMY ARMAMENT, RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, N.J. 07806-5000

**2. THESE QAPS FORM A PART OF DRAWING/SPECIFICATION 12993777 SPECIFIED IN THE CONTRACT.**

INSPECTION SHALL BE CONDUCTED AS SPECIFIED HEREIN AND IN ACCORDANCE WITH REFERENCED DOCUMENTS.

3.

## PART I. LIST OF APPLICABLE DOCUMENTS

**DRAWINGS**

12993777      FRAME ASSEMBLY

**STANDARDS**

MIL-STD-1916      DOD Preferred Methods for Acceptance of Product

**SPECIFICATIONS**

MIL-W-63150      Weapons and Support Materiel, Standard Quality Assurance Provisions for

**NON-GOVERNMENT PUBLICATIONS**

(Application for copies of ASTM documents should be addressed to American Society for Testing and Materials, 100 Bar Harbor Drive, West Conshohocken PA 19428-2959)

NOR CONTINUATION SHEET 2 OF 7  
 ECP LOS 3022 - NOR 003  
 PROPOSED NEW QAP  
*Kevin J. Borell*      00-07-07

**DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.**

### REVISIONS

4. RELEASE NUMBER																				
5. DATE																				
4. RELEASE NUMBER																				
5. DATE																				
REVISION STATUS OF SHEETS	6. REVISION	-	-	-	-	-	-													
	7. SHEET	1	2	3	4	5	6													
	6. REVISION																			
	7. SHEET																			
8. QAP FOR:										FSCM:					CAGE CODE					
FRAME ASSEMBLY															19200					
9. SUBMITTED BY:										10. QAP NO.:										
										12993777										
11. DATE:		12. APPROVED:				13. RELEASE NO.				14. PAGE NO.			15. NO. OF PAGES							
000607						---				1			6							

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

## PART II. CONFORMANCE PROVISIONS

### 1.0 General provisions.

1.1 Classification of characteristics. There are three classes of characteristics covered in this QAP. These are critical, major, and minor characteristics, as defined in MIL-STD-1916.

1.2 Workmanship. The workmanship provisions of MIL-W-63150 are applicable to this QAP.

### 1.3 Certification provisions.

1.3.1 Certified Test Reports (CTR). If CTR is specified in Part IV, the contractor shall make available to the Government a CTR for each lot of parts, assemblies, subsystems and systems by lot number prior to acceptance. This test report is in addition to, and not in lieu of, any rights of the Government under this contract or law. A CTR may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of the contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the report shall contain the following:

- a. Name of company and date.
- b. Contract number or purchase order number, national stock number and drawing number.
- c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
- d. All inspections and tests required by contract (i.e., material, processes, performance, functional, etc.) shall be recorded in test reports. These reports shall identify each lot submitted for acceptance by lot number, the specification or drawing, revision and date, grade or type as applicable, number of specimens tested, specified characteristics and requirements, and actual results obtained.
- e. Reports of the raw material producer's chemical, mechanical, and physical analysis.
- f. A statement, as follows, certifying that material meets all requirements of the contract:

"The undersigned, individually, and as the authorized representative of the contractor, warrants and represents that: All the information supplied above is true and accurate; the material covered by this certificate conforms to all contract requirements (including but not limited to the drawings and specifications); the inspection and test results, and the analysis appearing herein are true and accurate; and this certificate is made for the purpose of inducing payment and with knowledge that the information and certification may be used as a basis for payment."

- g. Signature and title of certifying official.

1.3.2 Certificate of conformance (COC). When COC is specified in Part IV, A certificate of conformance is required for Military Standard and commercial items, supported by inspection and test data, material analysis, or certification from the raw material producer or processor, and shall be made available to the Government for specifications covering raw material, processed material, and processes. The contractor shall make the COC available to the Government prior to or with the request to perform acceptance inspection approval by the Government. This is in addition to, and not in lieu of, any rights of the Government under this contract or law. A COC may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the COC shall contain the following:

- a. Name of company and date.

NOR CONTINUATION SHEET 3 OF 7  
 ECP L053022 - NOR 003  
 PROPOSED NEW QAP  
*[Signature]* 00-07-07

						FSCM:	CAGE CODE 19200
16. REVISION							10. QAP NO.: 12993777
SYMBOL							14. PAGE NO. 2
AND DATE							

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

- b. Contract number or purchase order number, national stock number and drawing number.
- c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
- d. A statement, as follows, certifying that material meets all requirements of the contract:

## 2. First article.

**2.1 Submission.** Unless otherwise specified in the contract, a first article sample consisting of five QAP items shall be submitted for inspection and approval in accordance with the terms of this contract. The sample items will be subjected to any or all of the examinations and tests specified in this QAP and may be inspected for compliance with any or all of the requirements of the applicable drawing(s) and specification(s). The certification requirements of Part IV apply.

**2.2 Rejection.** If any sample item fails to comply with any of the applicable requirements, the first article sample shall be rejected. The Government reserves the right to terminate inspection upon any failure to comply with any of the requirements.

**3. Verification.** Verification inspection shall consist of inspection of all conformance characteristics contained in Part III "Inspection Requirements" and Part IV "Certification Requirements" of this QAP. Failure to comply with the conformance criteria shall be cause for rejection of the lot or quantity represented by the sample. All other quality characteristics not specifically listed herein are subject to control under the contractor's quality program or inspection system.

**3.1 Lot formation.** Inspection lots shall comply with the lot requirements of MIL-STD-1916, paragraph 4.2.

**3.2 Attributes sampling inspection.** The provisions/procedures of MIL-STD-1916 are applicable to this QAP. Unless otherwise specified, attributes sampling for the conformance characteristics listed in Part III herein shall be IAW MIL-STD-1916, Table II, using the verification level cited in the conformance criteria columns of Part III. The procedure in MIL-STD-1916 for normal inspection shall be used at the start of production for current or previous suppliers of the item. For all new suppliers of the item, tightened inspection shall be used at the start of production and be continued until the criteria for normal inspection are met.

**3.3 Alternative verification provisions.** Unless otherwise specified, alternative verification provisions such as statistical process control (SPC) (preferred), variables sampling plans, or continuous sampling plans may be used by the contractor in lieu of the inspection provisions contained herein when such alternative(s) provide an equivalent or better level of quality, and provided they have been described in a written proposal which has been approved by the Government.

**3.4 Inspection Equipment.** Unless otherwise specified herein or in the contract, all inspection equipment required to perform the examinations and tests in this QAP shall be designed, documented and maintained by the contractor, including any fixtures necessary to accommodate the test procedures. Inspection equipment shall incorporate the appropriate measurement capability, precision and accuracy to assure rejection of all non-conforming product.

**3.5 Components and Assemblies.** All components shall conform to the drawings for those components prior to installation into an assembly.

NOR CONTINUATION SHEET 4 OF 7  
 ECP LOS 3022 NOR 003  
 PROPOSED NEW QAP  
*James P. Smith* 00-07-07

16. REVISION						FSCM:	CAGE CODE
SYMBOL							19200
AND DATE							10. QAP NO.: 12993777
							14. PAGE NO. 3

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

## PART III. INSPECTION REQUIREMENTS.

### 1. Classification of Conformance Characteristics

Frame Assembly- 12993777

<u>CLASS</u>	<u>CHARACTERISTIC</u>	<u>ZONE</u>	<u>CONFORMANCE CRITERIA</u>	<u>INSPECTION METHOD</u>
CRITICAL	None			
MAJOR				
101	Improper function of Scale and Locking Screw (Scale shall be Capable of free movement with screw unloosened. Tightening of screw shall cause positive retention of scale to frame. Scale shall be capable of being located flush or below edge of frame.)		Level III	Visual-Manual
102	Improper Function of Elevating Wheel (Elevating Wheel shall rotate freely between indexing position and shall be restrained in the indexing positions by the spring actuated indexing plunger.)	C-3	Level III	Visual-Manual
103	.220 Thickness of Rivets and Across scale and Frame	B-2	Level III	SMTE
104	.010 Parallelism Requirement (Scale with Edge of Frame)	B-3	Level III	SMTE
105	Edge of scale above edge of frame	B-3	Level III	SMTE
106	Parts missing or improperly assembled		Level III	Visual
MINOR				
201	Missing or defective protective finish (All)		Level II	Visual
202	Workmanship (See MIL-W-63150)		Level II	Visual

NOR CONTINUATION SHEET 5 OF 7  
ECP.L053022 NOR 003  
PROPOSED NEW QAP

*James J. Russell*

00-07-07

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							19200
16. REVISION							10. QAP NO.:
SYMBOL							12993777
AND DATE							14. PAGE NO.
							4

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

2. Special sampling inspection.

N/A

## PART IV. CERTIFICATION REQUIREMENTS

N/A

NOR CONTINUATION SHEET 6 OF 7  
ECP LOS 3022 NOR 003  
PROPOSED NEW QAP

*Kevin J. Russell* 00-07-07

						FSCM:	CAGE CODE 19200
16. REVISION						10. QAP NO.:	12993777
SYMBOL						14. PAGE NO.	5
AND DATE							

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

## PART V. TEST METHODS AND PROCEDURES

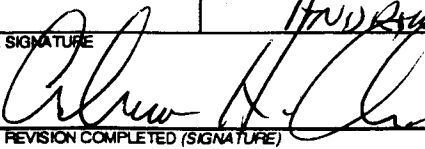
N/A

## PART VI. NOTES

N/A

NOR CONTINUATION SHEET 7 OF 7  
ECP LOS3022 NOR 003  
PROPOSED NEW QAP  
*Kevin Howell* 00-07-07

					FSCM:	CAGE CODE 19200
16. REVISION  SYMBOL  AND DATE						10. QAP NO.: 12993777
						14. PAGE NO. 6

<b>NOTICE OF REVISION (NOR)</b> THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED				<b>1. DATE</b> (YYYYMMDD) 20000710	Form Approved OMB No. 0704-0188						
The public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					<b>2. PROCURING ACTIVITY NO.</b> LOS3022						
					<b>3. DODAAC</b>						
<b>4. ORIGINATOR</b> a. TYPED NAME (First, Middle Initial, Last) Bennie J. Boswell		b. ADDRESS (Street, City, State, Zip Code) TACOM-ARDEC, AMSTA-AR-CCL-FM Rock Island, IL 61299-7300		<b>5. CAGE CODE</b> 19200	<b>6. NOR NO.</b> 015						
				<b>7. CAGE CODE</b> 19200	<b>8. DOCUMENT NO.</b> SQ7791025						
<b>9. TITLE OF DOCUMENT</b> Elevating Screw QAP			<b>10. REVISION LETTER</b> a. CURRENT C		b. NEW D						
					<b>11. ECP NO.</b> LOS3022						
<b>12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES</b> 40 mm Grenade Machine Gun, MK19, Mod 3				NOR SHT 1 of 7	ECP SHT 31 of 58						
<b>13. DESCRIPTION OF REVISION</b>  <div style="text-align: center; font-weight: bold; font-size: 1.2em;">         SEE NOR CONTINUATION SHEET 2 THRU 7 OF 7 DATED 00-07-10 FOR PROPOSED NEW REVISED QAP.       </div>											
<b>14. THIS SECTION FOR GOVERNMENT USE ONLY</b>											
a. (X one)		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 30px; text-align: center;">X</td> <td>(1) Existing document supplemented by this NOR may be used in manufacture.</td> </tr> <tr> <td style="text-align: center;"></td> <td>(2) Revised document must be received before manufacturer may incorporate this change.</td> </tr> <tr> <td style="text-align: center;"></td> <td>(3) Custodian of master document shall make above revision and furnish revised document.</td> </tr> </table>				X	(1) Existing document supplemented by this NOR may be used in manufacture.		(2) Revised document must be received before manufacturer may incorporate this change.		(3) Custodian of master document shall make above revision and furnish revised document.
X	(1) Existing document supplemented by this NOR may be used in manufacture.										
	(2) Revised document must be received before manufacturer may incorporate this change.										
	(3) Custodian of master document shall make above revision and furnish revised document.										
b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT OPM SMALL ARMS			c. TYPED NAME (First, Middle Initial, Last) Andrew H. Cling								
d. TITLE PROD DIRECTOR		e. SIGNATURE 		f. DATE SIGNED (YYYYMMDD) 18 Sep 00							
15.a. ACTIVITY ACCOMPLISHING REVISION		b. REVISION COMPLETED (SIGNATURE)		c. DATE SIGNED (YYYYMMDD)							

Enclosure 2 — Attachment 006



# QUALITY ASSURANCE PROVISIONS (QAP)

## 1. COMMAND AGENCY:

U.S. ARMY ARMAMENT, RESEARCH, DEVELOPMENT AND ENGINEERING CENTER PICATINNY ARSENAL, N.J. 07806-5000

## 2. THESE QAPS FORM A PART OF DRAWING/SPECIFICATION 7791025 SPECIFIED IN THE CONTRACT.

INSPECTION SHALL BE CONDUCTED AS SPECIFIED HEREIN AND IN ACCORDANCE WITH REFERENCED DOCUMENTS.

3.

### PART I. LIST OF APPLICABLE DOCUMENTS

#### DRAWINGS

7791025      Screw, Elevating

#### STANDARDS

MIL-STD-1916      DOD Preferred Methods for Acceptance of Product

#### SPECIFICATIONS

MIL-DTL-16232      Phosphate Coatings, Heavy, Manganese or Zinc Base (For Ferrous Metals)  
 MIL-W-63150      Weapons and Support Materiel, Standard Quality Assurance Provisions for  
 MIL-PRF-3150      Lubricating Oil, Preservative, Medium  
 MIL-S-13572      Springs, Helical, Compression and Extension

#### NON-GOVERNMENT PUBLICATIONS

ASTM B117      Standard Method of Salt Spray (Fog) Apparatus Operating

(Application for copies of ASTM documents should be addressed to American Society for Testing and Materials, 100 Bar Harbor Drive, West Conshohocken PA 19428-2959)

NOR CONTINUATION SHEET 2 OF 7  
 ECP LOS3022 - NOR 015  
 PROPOSED NEW REVISED QAP  
*Henry J. Brownell*      00-07-10

**DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.**

#### REVISIONS

4. RELEASE NUMBER																				
5. DATE																				
4. RELEASE NUMBER																				
5. DATE																				
REVISION STATUS OF SHEETS	6. REVISION	D	D	D	D	D	D													
	7. SHEET	1	2	3	4	5	6													
	6. REVISION																			
	7. SHEET																			
8. QAP FOR:										FSCM:					CAGE CODE					
Screw, Elevating															19200					
9. SUBMITTED BY:										10. QAP NO.:										
										7791025										
11. DATE:		12. APPROVED:				13. RELEASE NO.				14. PAGE NO.				15. NO. OF PAGES						
661103						---				1				6						

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

## PART II. CONFORMANCE PROVISIONS

### 1.0 General provisions.

**1.1 Classification of characteristics.** There are three classes of characteristics covered in this QAP. These are critical, major, and minor characteristics, as defined in MIL-STD-1916.

**1.2 Workmanship.** The workmanship provisions of MIL-W-63150 are applicable to this QAP.

### 1.3 Certification provisions.

**1.3.1 Certified Test Reports (CTR).** If CTR is specified in Part IV, the contractor shall make available to the Government a CTR for each lot of parts, assemblies, subsystems and systems by lot number prior to acceptance. This test report is in addition to, and not in lieu of, any rights of the Government under this contract or law. A CTR may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of the contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the report shall contain the following:

- a. Name of company and date.
- b. Contract number or purchase order number, national stock number and drawing number.
- c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
- d. All inspections and tests required by contract (i.e., material, processes, performance, functional, etc.) shall be recorded in test reports. These reports shall identify each lot submitted for acceptance by lot number, the specification or drawing, revision and date, grade or type as applicable, number of specimens tested, specified characteristics and requirements, and actual results obtained.
- e. Reports of the raw material producer's chemical, mechanical, and physical analysis.
- f. A statement, as follows, certifying that material meets all requirements of the contract:

"The undersigned, individually, and as the authorized representative of the contractor, warrants and represents that: All the information supplied above is true and accurate; the material covered by this certificate conforms to all contract requirements (including but not limited to the drawings and specifications); the inspection and test results, and the analysis appearing herein are true and accurate; and this certificate is made for the purpose of inducing payment and with knowledge that the information and certification may be used as a basis for payment."

- g. Signature and title of certifying official.

**1.3.2 Certificate of conformance (COC).** When COC is specified in Part IV, A certificate of conformance is required for Military Standard and commercial items, supported by inspection and test data, material analysis, or certification from the raw material producer or processor, and shall be made available to the Government for specifications covering raw material, processed material, and processes. The contractor shall make the COC available to the Government prior to or with the request to perform acceptance inspection approval by the Government. This is in addition to, and not in lieu of, any rights of the Government under this contract or law. A COC may be used as an element incident to, but shall not be used as the sole basis for, Government acceptance of contract item(s) unless so indicated in the technical documentation or contract. As a minimum, the COC shall contain the following:

- a. Name of company and date.

NOR CONTINUATION SHEET 3 OF 7  
 ECP LOS 3022 - NOR 015  
 PROPOSED NEW REVISED QAP  
*[Signature]* 0007-10

						FSCM:	CAGE CODE 19200
16. REVISION							10. QAP NO.:
SYMBOL							7791025
AND DATE							14. PAGE NO. 2

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

- b. Contract number or purchase order number, national stock number and drawing number.
- c. Complete nomenclature of supplies together with lot number or other identification. The quantity in each lot or shipment shall be given.
- d. A statement, as follows, certifying that material meets all requirements of the contract:

## 2. First article.

**2.1 Submission.** Unless otherwise specified in the contract, a first article sample consisting of five QAP items shall be submitted for inspection and approval in accordance with the terms of this contract. The sample items will be subjected to any or all of the examinations and tests specified in this QAP and may be inspected for compliance with any or all of the requirements of the applicable drawing(s) and specification(s). The certification requirements of Part IV apply.

**2.2 Rejection.** If any sample item fails to comply with any of the applicable requirements, the first article sample shall be rejected. The Government reserves the right to terminate inspection upon any failure to comply with any of the requirements.

**3. Verification.** Verification inspection shall consist of inspection of all conformance characteristics contained in Part III "Inspection Requirements" and Part IV "Certification Requirements" of this QAP. Failure to comply with the conformance criteria shall be cause for rejection of the lot or quantity represented by the sample. All other quality characteristics not specifically listed herein are subject to control under the contractor's quality program or inspection system.

**3.1 Lot formation.** Inspection lots shall comply with the lot requirements of MIL-STD-1916, paragraph 4.2.

**3.2 Attributes sampling inspection.** The provisions/procedures of MIL-STD-1916 are applicable to this QAP. Unless otherwise specified, attributes sampling for the conformance characteristics listed in Part III herein shall be IAW MIL-STD-1916, Table II, using the verification level cited in the conformance criteria columns of Part III. The procedure in MIL-STD-1916 for normal inspection shall be used at the start of production for current or previous suppliers of the item. For all new suppliers of the item, tightened inspection shall be used at the start of production and be continued until the criteria for normal inspection are met.

**3.3 Alternative verification provisions.** Unless otherwise specified, alternative verification provisions such as statistical process control (SPC) (preferred), variables sampling plans, or continuous sampling plans may be used by the contractor in lieu of the inspection provisions contained herein when such alternative(s) provide an equivalent or better level of quality, and provided they have been described in a written proposal which has been approved by the Government.

**3.4 Inspection Equipment.** Unless otherwise specified herein or in the contract, all inspection equipment required to perform the examinations and tests in this QAP shall be designed, documented and maintained by the contractor, including any fixtures necessary to accommodate the test procedures. Inspection equipment shall incorporate the appropriate measurement capability, precision and accuracy to assure rejection of all non-conforming product.

**3.5 Components and Assemblies.** All components shall conform to the drawings for those components prior to installation into an assembly.

N&R CONTINUATION SHEET 4 OF 7  
 ECP LOS 3022 - NDR DIS  
 PROPOSED NEW REVISED QAP  
*Devin Johnson* 00-07-10

16. REVISION  SYMBOL  AND DATE						FSCM:	CAGE CODE 19200
							10. QAP NO.: 7791025
							14. PAGE NO. 3

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

## PART III. INSPECTION REQUIREMENTS.

### 1. Classification of Conformance Characteristics

Spring, Helical 7791028

<u>CLASS</u>	<u>CHARACTERISTIC</u>	<u>ZONE</u>	<u>CONFORMANCE CRITERIA</u>	<u>INSPECTION METHOD</u>
CRITICAL	None			
MAJOR				
101	Missing or Defective Protective Finish		Level III	Visual
102	Protective Coating (Phosphate) Salt Spray Test (See Table II)		Level III	SMTE -1
103	Protective Coating (Phosphate) Weight Test (See Table II)		Level III	SMTE - 2
104	Protective Coating (Phosphate) Supplemental		Level III	SMTE -3
105	Supplemental Oil Treatment Salt Spray Test (See Table II)		Level III	SMTE
106	Hardness RA 65-68		Level III	SMTE
⊕ B M	Ø .002		Level III	SMTE
108	.112-48 UNF-2A		Level III	SMTE
109	.124 Dia.		Level III	SMTE
MINOR				
201	.70 Dia.		Level II	SMTE
⊕ B M	Ø .002 M		Level II	SMTE
203	4.378		Level II	SMTE
204	Workmanship ( See Mil- W- 63150)		Level II	SMTE

NOR CONTINUATION SHEET 5 OF 7  
 ECP LOS 3022 - NOR 015  
 PROPOSED NEW REVISED QAP  
*Kenneth J. Maxwell* 00-07-10

						FSCM:	CAGE CODE
							19200
16. REVISION						10. QAP NO.:	7791025
SYMBOL						14. PAGE NO.	4
AND DATE							

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

## 2. Special sampling inspection.

**2.1 Phosphate Coating Salt Spray (Corrosion).** Testing shall be accomplished on a per lot basis or per shift, i.e., at least once every eight hours. Four (4) specimens, distributed randomly and processed concurrently with the items, or four (4) items randomly selected shall be tested in accordance with STM-1. The specimens shall conform to MIL-DTL-16232. If any item/specimen in the sample fails, the quantity represented shall be rejected.

**2.2 Phosphate Coating Weight.** Testing shall be accomplished on a per lot basis or shift, i.e., at least once every eight hours. Two (2) specimens, distributed randomly and processed concurrently with the items, or two (2) items randomly selected shall be tested in accordance with STM-2. The specimens shall conform to MIL-DTL-16232. If any item/specimen in the sample fails, the quantity represented shall be rejected.

**2.3 Phosphate Coating Supplemental Oil Treatment Salt Spray Test.** Testing shall be accomplished on a per lot basis or per shift, i.e. at least once every eight hours. Four (4) specimens, distributed randomly and processed concurrently with the items, or four (4) items randomly selected shall be tested in accordance with STM-3. The specimens shall conform to MIL-DTL-16232. If any item/specimen in the sample fails, the quantity represented shall be rejected.

## PART IV. CERTIFICATION REQUIREMENTS

The certification provisions of para. 1.3 for Certified Test Reports (CTRs) and Certificates of Conformance (COCs) shall apply. CTRs and COCs are required for the following:

<u>NUMBER</u>	<u>CHARACTERISTIC</u>	<u>CERTIFICATION METHOD</u>	<u>TEST DATA TO COMPLY WITH</u>
401	Phosphate Coating	CTR	Dwg. 7790125
402	Material	COC	Dwg. 7791025

NOR CONTINUATION SHEET 6 OF 7  
ECP LOS3022 -NOR 015  
PROPOSED NEW REVISED QAP

*Werner J. Brumfield* 00-07-10

16. REVISION  SYMBOL  AND DATE					FSCM:	CAGE CODE  19200
						10. QAP NO.:  7791025
						14. PAGE NO. 5

# QUALITY ASSURANCE PROVISIONS (QAP) -CONTINUATION SHEET

3.

## PART V. TEST METHODS AND PROCEDURES

STM-1. Protective Coating (Phosphate) Salt Spray Test. This test shall be conducted in accordance with MIL-DTL-16232 and ASTM B117 prior to application of supplementary treatments.

STM-2. Protective Coating (Phosphate) Weight Test. This test shall be conducted as specified in MIL-DTL-16232.

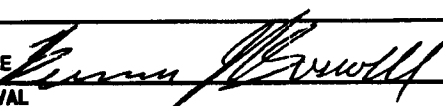
STM-3. Protective Coating (Phosphate) Supplemental Oil Treatment Salt Spray Test. This test shall be conducted in accordance with MIL-DTL-16232 and ASTM B117 after application of Supplemental Oil Treatment.

STM-4. Supplemental Oil Treatment Salt Spray Test. This test shall be conducted in accordance with MIL-PRF-3150 and ASTM B117.

## PART VI. NOTES

NOR CONTINUATION SHEET 7 OF 7  
ELP LOS3022 - NOR 015  
PROPOSED NEW REVISED QAP  
00-07-10

					FSCM:	CAGE CODE 19200
16. REVISION						10. QAP NO.:
SYMBOL						7791025
AND DATE						14. PAGE NO. 6

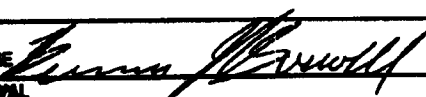

<b>ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1</b>						1. DATE (YYMMDD) <b>010530</b>		Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington, DC 20503.								2. PROCURING ACTIVITY NO. <b>L1S3033</b>	
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.								3. DODAAC	
4. ORIGINATOR			b. ADDRESS (Street, City, State, Zip Code)			5. CLASS OF ECP			
a. TYPED NAME (First, Middle Initial, Last) <b>Bennie J. Boswell</b>			<b>TACOM-ARDEC, AMSTA-AR-CCL-FM Rock Island, IL 61299-7300</b>			<b>II</b>			
8. ECP DESIGNATION						6. JUST. CODE <b>D</b>		7. PRIORITY <b>R</b>	
a. MODEL/TYPE <b>MK19/MOD3</b>		b. CAGE CODE <b>19200</b>		c. SYSTEM DESIGNATION <b>40 mm Grenade Machine Gun</b>		9. BASELINE AFFECTED			
						<input type="checkbox"/> FUNCTIONAL <input checked="" type="checkbox"/> PRODUCT			
						<input type="checkbox"/> ALLOCATED			
d. ECP NO. <b>L1S3033</b>				e. TYPE <b>F</b>		f. REV		10. OTHER SYS./CONFIG. ITEMS AFFECTED	
								<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
11. SPECIFICATIONS AFFECTED					12. DRAWINGS AFFECTED				
	CAGE Code	Specification/Document No.	Rev.	SCN	CAGE Code	Number	Rev.	NOR	
a. SYSTEM					<b>19200</b>	<b>SQ7791025</b>	<b>D</b>	<b>001</b>	
b. DEVELOPMENT									
c. PRODUCT									
13. TITLE OF CHANGE <b>Correct Dimension Callout on QAP</b>									
14. CONTRACT NO. LINE ITEM <b>DAAE20-00-C-0062 &amp; DAAE20-01-C-0079</b>					15. PROCURING CONTRACTING OFFICER				
					a. NAME (First, Middle Initial, Last) <b>Kristan A. Mendoza</b>				
					b. CODE <b>AMSTA-LC-CSCA</b>		c. TELEPHONE NO. <b>(309) 782-0243</b>		
16. CONFIGURATION ITEM NOMENCLATURE <b>40 mm Grenade Machine Gun, MK19, MOD 3</b>								17. IN PRODUCTION	
								<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
18. ALL LOWER LEVEL ITEMS AFFECTED									
a. NOMENCLATURE <b>Elevating Screw QAP</b>					b. PART NO. <b>SQ7791025</b>		c. NSN <b>N/A</b>		
19. DESCRIPTION OF CHANGE <b>In Part III Inspection Requirements, under 1. Classification of Conformance Characteristics, changed title from Spring, Helical 7791028, to Screw, Elevating 7791025. Also changed Minor Characteristic 201 from .70 to .070.</b>									
20. NEED FOR CHANGE <b>Correction of text errors to eliminate the need for contractor clarification requests.</b>									
21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER <b>N/A</b>					22. EFFECT ON PRODUCTION DELIVERY SCHEDULE <b>N/A</b>				
23. RETROFIT									
a. RECOMMENDED ITEM EFFECTIVITY <b>N/A</b>					b. SHIP / VEHICLE CLASS AFFECTED <b>N/A</b>				
c. ESTIMATED KIT DELIVERY SCHEDULE <b>N/A</b>					d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED <b>N/A</b>				
24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT <b>N/A</b>					25. ESTIMATED NET TOTAL COSTS / SAVINGS <b>N/A</b>				
26. SUBMITTING ACTIVITY					b. TITLE				
a. AUTHORIZED SIGNATURE 					<b>Engr Tech</b>				
27. APPROVAL / DISAPPROVAL									
a. CLASS I			b. CLASS II			c. CLASS II			
<input type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> DISAPPROVAL RECOMMENDED			<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED			<input type="checkbox"/> CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE			
d. GOVERNMENT ACTIVITY					e. SIGNATURE			f. DATE SIGNED (YYMMDD)	
g. APPROVAL					h. GOVERNMENT ACTIVITY			i. SIGNATURE	
<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED								j. DATE SIGNED (YYMMDD)	

Enclosure 3

<b>NOTICE OF REVISION (NOR)</b> THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED		<b>1. DATE</b> (YYYYMMDD) <b>20010530</b>	Form Approved OMB No. 0704-0188
The public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. <b>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THIS ADDRESS. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.</b>			<b>2. PROCURING ACTIVITY NO.</b> <b>L1S3033</b>
			<b>3. DODAAC</b>
<b>4. ORIGINATOR</b> a. TYPED NAME (First, Middle Initial, Last)  <b>Bennie J. Boswell</b>		b. ADDRESS (Street, City, State, Zip Code)  <b>TACOM-ARDEC, AMSTA-AR-CCL-FM</b> <b>Rock Island, IL 61299-7300</b>	
		<b>5. CAGE CODE</b> <b>19200</b>	<b>6. NOR NO.</b> <b>001</b>
		<b>7. CAGE CODE</b> <b>19200</b>	<b>8. DOCUMENT NO.</b> <b>SQ7791025 SH 4</b>
<b>9. TITLE OF DOCUMENT</b> <b>QAP for Elevating Screw</b>		<b>10. REVISION LETTER</b> a. CURRENT <b>D</b>	
		b. NEW	
		<b>11. ECP NO.</b> <b>L1S3033</b>	
<b>12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES</b> <b>40 mm Grenade Machine Gun, MK19, Mod 3</b>		<b>NOR SHT</b> <b>1 of 1</b>	<b>ECP SHT</b> <b>2</b>
<b>13. DESCRIPTION OF REVISION</b>  <b>In PART III. INSPECTION REQUIREMENTS:</b>  <b>In 1. Classification of Conformance Characteristics:</b>  <b>Change: From: "Spring, Helical 7791028</b> <b>To: "Screw, Elevating 7791025"</b>  <b>Change Minor Characteristic:</b>  <b>From: "201 .70 Dia."</b> <b>To: "201 .070 Dia."</b>			
<b>14. THIS SECTION FOR GOVERNMENT USE ONLY</b>			
a. (X one) <input checked="" type="checkbox"/> (1) Existing document supplemented by this NOR may be used in manufacture. <input type="checkbox"/> (2) Revised document must be received before manufacturer may incorporate this change. <input type="checkbox"/> (3) Custodian of master document shall make above revision and furnish revised document.			
<b>b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT</b>		<b>c. TYPED NAME (First, Middle Initial, Last)</b>	
<b>d. TITLE</b>	<b>e. SIGNATURE</b>	<b>f. DATE SIGNED</b> (YYYYMMDD)	
<b>15.a. ACTIVITY ACCOMPLISHING REVISION</b>	<b>b. REVISION COMPLETED (SIGNATURE)</b>	<b>c. DATE SIGNED</b> (YYYYMMDD)	



CCL Fm

<b>ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1</b>				1. DATE (YYMMDD) 010630		Form Approved OMB No. 0704-0188	
<small>Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington, DC 20503.</small>							
PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.						2. PROCURING ACTIVITY NO. <b>L1S3033</b>	
						3. DODAAC	
4. ORIGINATOR		b. ADDRESS (Street, City, State, Zip Code)		5. CLASS OF ECP			
a. TYPED NAME (First, Middle Initial, Last) <b>Bennie J. Boswell</b>		<b>TACOM-ARDEC, AMSTA-AR-CCL-FM Rock Island, IL 61299-7300</b>		II			
				6. JUST. CODE D		7. PRIORITY R	
8. ECP DESIGNATION				9. BASELINE AFFECTED			
a. MODEL/TYPE MK18/MOD3	b. CAGE CODE 19200	c. SYSTEM DESIGNATION 40 mm Grenade Machine Gun		FUNCTIONAL <input checked="" type="checkbox"/> PRODUCT ALLOCATED			
d. ECP NO. L1S3033		e. TYPE F	f. REV	10. OTHER SYS/CONFIG. ITEMS AFFECTED X YES <input type="checkbox"/> NO			
11. SPECIFICATIONS AFFECTED				12. DRAWINGS AFFECTED			
	CAGE Code	Specification/Document No.	Rev.	SCN	CAGE Code	Number	Rev. NOR
a. SYSTEM					19200	8Q7791025	D 001
b. DEVELOPMENT							
c. PRODUCT							
13. TITLE OF CHANGE Correct Dimension Callout on QAP							
14. CONTRACT NO. LINE ITEM DAAE20-00-C-0062 & DAAE20-01-C-0079				15. PROCURING CONTRACTING OFFICER			
				a. NAME (First, Middle Initial, Last) <b>Kristan A. Mendoza</b>			
				b. CODE <b>AMSTA-LC-CSCA</b>		c. TELEPHONE NO. (308) 783-0243	
16. CONFIGURATION ITEM NOMENCLATURE 40 mm Grenade Machine Gun, MK18, MOD 3						17. IN PRODUCTION X YES <input type="checkbox"/> NO	
18. ALL LOWER LEVEL ITEMS AFFECTED							
a. NOMENCLATURE Elevating Screw QAP		b. PART NO. 8Q7791025		c. NSN N/A			
19. DESCRIPTION OF CHANGE In Part III Inspection Requirements, under 1. Classification of Conformance Characteristics, changed title from Spring, Helical 7791028, to Screw, Elevating 7791025. Also changed Minor Characteristic 201 from .70 to .070.							
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23. RETROFIT							
a. RECOMMENDED ITEM EFFECTIVITY N/A		b. SHIP / VEHICLE CLASS AFFECTED N/A					
c. ESTIMATED KIT DELIVERY SCHEDULE N/A		d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED N/A					
24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT N/A				25. ESTIMATED NET TOTAL COSTS / SAVINGS N/A			
26. SUBMITTING ACTIVITY				b. TITLE Engr Tech			
a. AUTHORIZED SIGNATURE 							
27. APPROVAL / DISAPPROVAL							
a. CLASS I		b. CLASS II		c. CLASS II		DO NOT CONCUR IN CLASSIFICATION OF CHANGE	
APPROVAL RECOMMENDED <input type="checkbox"/> DISAPPROVAL RECOMMENDED <input type="checkbox"/>		APPROVED <input type="checkbox"/> DISAPPROVED <input type="checkbox"/>		CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/>			
d. GOVERNMENT ACTIVITY TACOM-ARDEC, AMSTA-AR-CCL-F				e. SIGNATURE		f. DATE SIGNED (YYMMDD)	
g. APPROVAL		h. GOVERNMENT ACTIVITY		i. SIGNATURE		j. DATE SIGNED (YYMMDD)	
<input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		Ronald E. Elbe Chief, CCAC Prod & Field Sp				20010609	

6-101  
- 6 JUN 2001

